

**ABSTRACT**

A female coupler for use as a fluid connector having an exterior portion, an interior portion, a poppet valve and a piston. The exterior portion has an internal bore with an open forward end adapted to receive a male coupler, a flow port for supplying  
5 pressurized fluid to the internal bore, an internal surface with at least one groove and at least one outlet passage through the exterior portion fluidly communicating with the at least one groove. The interior portion has a main cavity and an internal valve seat and is disposed within the housing bore and axially movable within the exterior portion from a first position, in which fluid is sealed within the female coupler, to a second position in  
10 which fluid can exit the female coupler. The poppet valve is slidably received within the interior portion and spring-biased forwardly against the valve seat to normally prevent fluid flow through the interior portion. The generally annular piston is disposed and slidably received within the exterior portion and includes a tubular main portion disposed within the interior portion, a radially enlarged annular end portion which engages said  
15 interior portion when moved axially to assist in moving the poppet valve and a central bore for receiving fluid flow.